

Technical data

ESW[®]-small-Compact 015 - V2A

operating voltage	24V DC \pm 20%, reverse polarity protected	
current input	max. 100mA	
temperature range	-40°C to +65°C	
type of protection	IP 68	
case	high grade steel V2A (1.4305)	
case dimensions	108 x 55mm (h x Ø), Fixing hole M10x1.5 ; see manual	
weight	approx. 1,2kg (without cable), approx.1,4kg (with cable)	
connection cable	2m, 10 x 0,34mm ² / SD200 C 12x0,34mm² , with shield, cover material: PUR/ PUR , min. bending radius: 70,00mm/ 50,25mm	
screw-type conduit fitting	M12x1,5 Brass CuZn39Pb3, nickel-plated Lamellar insert: Polyamide PA6 V-2 Sealing ring: Polychloroprene-Nitrile rubber CR/NBR O-Ring: Nitrile rubber NBR	
sensor	integrated acceleration sensor	
measured value	vibration velocity in mm/s	
measurement range	0 to 10 / 0 to 20 / 0 to 50mm/s, switchable	
signal assessment	arithm. average, aligned to RMS	
frequency range	3Hz to 300Hz (-3dB)	
filter	Butterworth, 60dB/dec resp. 18dB/oct	
analog output	0 to 20mA or 4 to 20mA current source proportional to adjusted measurement range	
load	max. 500Ohm	
switching output	two potential free contacts K1 and K2 (30V, 1A)	
switching threshold	10% to 100% of measuring range, adjustable by Potentiometer in the case	
rise time delay	K1 = 3s, K2 = 3s	
fall time delay	K1 = 0.5s, K2 = 0.5s	
line monitoring	The switching contacts of K1 and K2 are closed in their normal position, the relays are activated (excited). In the case of alarm, voltage drop or cable breakage, the switching outputs become highly resistive because the switching contacts are deactivated.	
function test	simple self-test on start complete function test, selectable by dip-switch	
cable connection	red +Ub yellow closer contact K1 pink opener contact K1 brown middle contact K2 grey analog output grey-pink not connected	blue ground middle contact K1 white closer contact K2 black opener contact K2 violet no contact red-blue not connected
optional	threaded pin M10x25mm, V4A	